Vicente Felipo

List of Publications by Year in Descending Order

314 papers	10,931 citations	54 h-index	87 g-index
330 ext. papers	11,981 ext. citations	5.1 avg, IF	6.14 L-index

#	Paper	IF	Citations
314	Metabolic syndrome is associated with poor response to rifaximin in minimal hepatic encephalopathy.. *Scientific Reports*, **2022**, 12, 2463	4.9	0
313	Hyperammonemia Enhances GABAergic Neurotransmission in Hippocampus: Underlying Mechanisms and Modulation by Extracellular cGMP.. *Molecular Neurobiology*, **2022**, 1	6.2	0
312	Hyperammonemia Alters the Function of AMPA and NMDA Receptors in Hippocampus: Extracellular cGMP Reverses Some of These Alterations.. *Neurochemical Research*, **2022**, 1	4.6	0
311	A Nextflow pipeline for T-cell receptor repertoire reconstruction and analysis from RNA sequencing data. *ImmunoInformatics*, **2022**, 6, 100012		0
310	Intracellular and extracelluar cyclic GMP in the brain and the hippocampus.. *Vitamins and Hormones*, **2022**, 118, 247-288	2.5	
309	Rifaximin Improves Spatial Learning and Memory Impairment in Rats with Liver Damage-Associated Neuroinflammation. *Biomedicines*, **2022**, 10, 1263	4.8	0
308	A New Score Unveils a High Prevalence of Mild Cognitive Impairment in Patients with Nonalcoholic Fatty Liver Disease. *Journal of Clinical Medicine*, **2021**, 10,	5.1	2
307	The Dual Role of the GABA Receptor in Peripheral Inflammation and Neuroinflammation: A Study in Hyperammonemic Rats. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	5
306	Bacteroides uniformis CECT 7771 Modulates the Brain Reward Response to Reduce Binge Eating and Anxiety-Like Behavior in Rat. *Molecular Neurobiology*, **2021**, 58, 4959-4979	6.2	2
305	A multi-omic study for uncovering molecular mechanisms associated with hyperammonemia-induced cerebellar function impairment in rats. *Cell Biology and Toxicology*, **2021**, 37, 129-149	7.4	0
304	Multi-omic analysis unveils biological pathways in peripheral immune system associated to minimal hepatic encephalopathy appearance in cirrhotic patients. *Scientific Reports*, **2021**, 11, 1907	4.9	5
303	Patients with Minimal Hepatic Encephalopathy Show Altered Thermal Sensitivity and Autonomic Function. *Journal of Clinical Medicine*, **2021**, 10,	5.1	3
302	Rifaximin Prevents T-Lymphocytes and Macrophages Infiltration in Cerebellum and Restores Motor Incoordination in Rats with Mild Liver Damage. *Biomedicines*, **2021**, 9,	4.8	2
301	Blockade of nitric oxide signalling promotes resilience to the effects of social defeat stress on the conditioned rewarding properties of MDMA in mice. *Nitric Oxide - Biology and Chemistry*, **2020**, 98, 29-32	5	8
300	Extracellular Vesicles from Hyperammonemic Rats Induce Neuroinflammation and Motor Incoordination in Control Rats. *Cells*, **2020**, 9,	7.9	8
299	Sustained hyperammonemia induces TNF-a IN Purkinje neurons by activating the TNFR1-NF-B pathway. *Journal of Neuroinflammation*, **2020**, 17, 70	10.1	13
298	Hyperammonemia alters the mismatch negativity in the auditory evoked potential by altering functional connectivity and neurotransmission. *Journal of Neurochemistry*, **2020**, 154, 56-70	6	1

297	Motor and Cognitive Performance in Patients with Liver Cirrhosis with Minimal Hepatic Encephalopathy. *Journal of Clinical Medicine*, **2020**, 9,	5.1	5
296	Blocking glycine receptors reduces neuroinflammation and restores neurotransmission in cerebellum through ADAM17-TNFR1-NF- pathway. *Journal of Neuroinflammation*, **2020**, 17, 269	10.1	4
295	Chronic hyperammonemia induces peripheral inflammation that leads to cognitive impairment in rats: Reversed by anti-TNF- treatment. *Journal of Hepatology*, **2020**, 73, 582-592	13.4	28
294	Selective improvement by rifaximin of changes in the immunophenotype in patients who improve minimal hepatic encephalopathy. *Journal of Translational Medicine*, **2019**, 17, 293	8.5	8
293	A Multiomics Study To Unravel the Effects of Developmental Exposure to Endosulfan in Rats: Molecular Explanation for Sex-Dependent Effects. *ACS Chemical Neuroscience*, **2019**, 10, 4264-4279	5.7	2
292	The influence of HE history, HE status and neuropsychological test type on learning ability in patients with cirrhosis. *Liver International*, **2019**, 39, 861-870	7.9	3
291	Differential role of interleukin-1 in neuroinflammation-induced impairment of spatial and nonspatial memory in hyperammonemic rats. *FASEB Journal*, **2019**, 33, 9913-9928	0.9	7
290	Peripheral inflammation induces neuroinflammation that alters neurotransmission and cognitive and motor function in hepatic encephalopathy: Underlying mechanisms and therapeutic implications. *Acta Physiologica*, **2019**, 226, e13270	5.6	29
289	Bicuculline Reduces Neuroinflammation in Hippocampus and Improves Spatial Learning and Anxiety in Hyperammonemic Rats. Role of Glutamate Receptors. *Frontiers in Pharmacology*, **2019**, 10, 132	5.6	13
288	P: 55 Decreased Cognitive Performance Is Associated With Reduced Resting State Connectivity and Gray Matter Atrophy in Patients With Minimal Hepatic Encephalopathy. *American Journal of Gastroenterology*, **2019**, 114, S27-S28	0.7	
287	Tadalafil Treatment Improves Inflammation, Cognitive Function, And Mismatch Negativity Of Patients With Low Urinary Tract Symptoms And Erectile Dysfunction. *Scientific Reports*, **2019**, 9, 17119	4.9	11
286	P: 56 Evaluation of Cognitive Dysfunction in Animal Models and Relatability to Human Disease. *American Journal of Gastroenterology*, **2019**, 114, S28-S29	0.7	
285	Chronic hyperammonemia alters extracellular glutamate, glutamine and GABA and membrane expression of their transporters in rat cerebellum. Modulation by extracellular cGMP. *Neuropharmacology*, **2019**, 161, 107496	5.5	12
284	Extracellular cGMP Reverses Altered Membrane Expression of AMPA Receptors in Hippocampus of Hyperammonemic Rats: Underlying Mechanisms. *Molecular Neurobiology*, **2019**, 56, 4428-4439	6.2	2
283	Role of NMDA and AMPA glutamatergic receptors in the effects of social defeat on the rewarding properties of MDMA in mice. *European Journal of Neuroscience*, **2019**, 50, 2623-2634	3.5	13
282	The Cerebellum of Patients with Steatohepatitis Shows Lymphocyte Infiltration, Microglial Activation and Loss of Purkinje and Granular Neurons. *Scientific Reports*, **2018**, 8, 3004	4.9	25
281	Increasing extracellular cGMP in cerebellum in vivo reduces neuroinflammation, GABAergic tone and motor in-coordination in hyperammonemic rats. *Brain, Behavior, and Immunity*, **2018**, 69, 386-398	16.6	22
280	Cirrhotic patients with minimal hepatic encephalopathy have increased capacity to eliminate superoxide and peroxynitrite in lymphocytes, associated with cognitive impairment. *Free Radical Research*, **2018**, 52, 118-133	4	2

279	Hyperammonemia alters membrane expression of GluA1 and GluA2 subunits of AMPA receptors in hippocampus by enhancing activation of the IL-1 receptor: underlying mechanisms. *Journal of Neuroinflammation*, **2018**, 15, 36	10.1	15
278	Inhibition of β-Secretase Leads to an Increase in Presenilin-1. *Molecular Neurobiology*, **2018**, 55, 5047-5058	6.2	13
277	Urea cycle dysregulation in non-alcoholic fatty liver disease. *Journal of Hepatology*, **2018**, 69, 905-915	13.4	66
276	Histological Features of Cerebellar Neuropathology in Patients With Alcoholic and Nonalcoholic Steatohepatitis. *Journal of Neuropathology and Experimental Neurology*, **2018**, 77, 837-845	3.1	12
275	Developmental Exposure to Pesticides Alters Motor Activity and Coordination in Rats: Sex Differences and Underlying Mechanisms. *Neurotoxicity Research*, **2018**, 33, 247-258	4.3	22
274	Endosulfan and Cypermethrin Pesticide Mixture Induces Synergistic or Antagonistic Effects on Developmental Exposed Rats Depending on the Analyzed Behavioral or Neurochemical End Points. *ACS Chemical Neuroscience*, **2018**, 9, 369-380	5.7	9
273	Chronic hyperammonemia alters in opposite ways membrane expression of GluA1 and GluA2 AMPA receptor subunits in cerebellum. Molecular mechanisms involved. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 286-295	6.9	9
272	Learning and Memory Impairments in Patients with Minimal Hepatic Encephalopathy are Associated with Structural and Functional Connectivity Alterations in Hippocampus. *Scientific Reports*, **2018**, 8, 9664	4.9	16
271	Real-time cytometric assay of nitric oxide and superoxide interaction in peripheral blood monocytes: A no-wash, no-lyse kinetic method. *Cytometry Part B - Clinical Cytometry*, **2017**, 92, 211-217	3.4	10
270	Sildenafil reduces neuroinflammation in cerebellum, restores GABAergic tone, and improves motor in-coordination in rats with hepatic encephalopathy. *CNS Neuroscience and Therapeutics*, **2017**, 23, 386-394	6.8	31
269	Sex-dependent effects of developmental exposure to different pesticides on spatial learning. The role of induced neuroinflammation in the hippocampus. *Food and Chemical Toxicology*, **2017**, 99, 135-148	4.7	23
268	Altered postural control and stability in cirrhotic patients with minimal hepatic encephalopathy correlate with cognitive deficits. *Liver International*, **2017**, 37, 1013-1022	7.9	21
267	Minimal hepatic encephalopathy is associated with expansion and activation of CDCD28, Th22 and Tfh and B lymphocytes. *Scientific Reports*, **2017**, 7, 6683	4.9	15
266	Determination of selected neurotoxic insecticides in small amounts of animal tissue utilizing a newly constructed mini-extractor. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 6015-6026	4.4	2
265	Sildenafil Treatment Eliminates Pruritogenesis and Thermal Hyperalgesia in Rats with Portacaval Shunts. *Neurochemical Research*, **2017**, 42, 788-794	4.6	
264	Extracellular Cyclic GMP Modulates Membrane Expression of The GluA1 and GluA2 Subunits of AMPA Receptor in Cerebellum: Molecular Mechanisms Involved. *Scientific Reports*, **2017**, 7, 17656	4.9	6
263	Translational research in hepatic encephalopathy: New diagnostic possibilities and new therapeutic approaches. *European Journal of Molecular and Clinical Medicine*, **2017**, 2, 39	0.7	2
262	The PHES battery does not detect all cirrhotic patients with early neurological deficits, which are different in different patients. *PLoS ONE*, **2017**, 12, e0171211	3.7	23

261	Reduced resting state connectivity and gray matter volume correlate with cognitive impairment in minimal hepatic encephalopathy. *PLoS ONE*, **2017**, 12, e0186463	3.7	13
260	Modulation of GABAA receptors by neurosteroids. A new concept to improve cognitive and motor alterations in hepatic encephalopathy. *Journal of Steroid Biochemistry and Molecular Biology*, **2016**, 160, 88-93	5.1	5
259	Hyperammonemia induces glial activation, neuroinflammation and alters neurotransmitter receptors in hippocampus, impairing spatial learning: reversal by sulforaphane. *Journal of Neuroinflammation*, **2016**, 13, 41	10.1	67
258	Neuroinflammation increases GABAergic tone and impairs cognitive and motor function in hyperammonemia by increasing GAT-3 membrane expression. Reversal by sulforaphane by promoting M2 polarization of microglia. *Journal of Neuroinflammation*, **2016**, 13, 83	10.1	68
257	Reducing Peripheral Inflammation with Infliximab Reduces Neuroinflammation and Improves Cognition in Rats with Hepatic Encephalopathy. *Frontiers in Molecular Neuroscience*, **2016**, 9, 106	6.1	44
256	Hyperammonemia alters glycinergic neurotransmission and modulation of the glutamate-nitric oxide-cGMP pathway by extracellular glycine in vivo. *Journal of Neurochemistry*, **2016**, 137, 539-48	6	9
255	Extracellular cGMP Modulates Learning Biphasically by Modulating Glycine Receptors, CaMKII and Glutamate-Nitric Oxide-cGMP Pathway. *Scientific Reports*, **2016**, 6, 33124	4.9	31
254	Infliximab reduces peripheral inflammation, neuroinflammation, and extracellular GABA in the cerebellum and improves learning and motor coordination in rats with hepatic encephalopathy. *Journal of Neuroinflammation*, **2016**, 13, 245	10.1	40
253	In vivo administration of extracellular cGMP normalizes TNF- and membrane expression of AMPA receptors in hippocampus and spatial reference memory but not IL-1 NMDA receptors in membrane and working memory in hyperammonemic rats. *Brain, Behavior, and Immunity*, **2016**, 57, 360-370	16.6	25
252	Current state of knowledge of hepatic encephalopathy (part II): changes in brain white matter tracts integrity are associated with cognitive deficits in minimal hepatic encephalopathy. *Metabolic Brain Disease*, **2016**, 31, 1359-1360	3.9	3
251	Extracellular Protein Kinase A Modulates Intracellular Calcium/Calmodulin-Dependent Protein Kinase II, Nitric Oxide Synthase, and the Glutamate-Nitric Oxide-cGMP Pathway in Cerebellum. Differential Effects in Hyperammonemia. *ACS Chemical Neuroscience*, **2016**, 7, 1753-1759	5.7	6
250	Is cognitive impairment in cirrhotic patients due to increased peroxynitrite and oxidative stress?. *Antioxidants and Redox Signaling*, **2015**, 22, 871-7	8.4	19
249	Gender differences in spatial learning, synaptic activity, and long-term potentiation in the hippocampus in rats: molecular mechanisms. *ACS Chemical Neuroscience*, **2015**, 6, 1420-7	5.7	35
248	Roles of the NMDA Receptor and EAAC1 Transporter in the Modulation of Extracellular Glutamate by Low and High Affinity AMPA Receptors in the Cerebellum in Vivo: Differential Alteration in Chronic Hyperammonemia. *ACS Chemical Neuroscience*, **2015**, 6, 1913-21	5.7	15
247	Interplay between glutamatergic and GABAergic neurotransmission alterations in cognitive and motor impairment in minimal hepatic encephalopathy. *Neurochemistry International*, **2015**, 88, 15-9	4.4	26
246	Rats with mild bile duct ligation show hepatic encephalopathy with cognitive and motor impairment in the absence of cirrhosis: effects of alcohol ingestion. *Neurochemical Research*, **2015**, 40, 230-40	4.6	9
245	The expression levels of prolyl oligopeptidase responds not only to neuroinflammation but also to systemic inflammation upon liver failure in rat models and cirrhotic patients. *Journal of Neuroinflammation*, **2015**, 12, 183	10.1	19
244	Sildenafil reduces neuroinflammation and restores spatial learning in rats with hepatic encephalopathy: underlying mechanisms. *Journal of Neuroinflammation*, **2015**, 12, 195	10.1	51

243	GR3027 antagonizes GABAA receptor-potentiating neurosteroids and restores spatial learning and motor coordination in rats with chronic hyperammonemia and hepatic encephalopathy. *American Journal of Physiology - Renal Physiology*, **2015**, 309, G400-9	5.1	36
242	Neuroinflammation and neurological alterations in chronic liver diseases. *Neuroimmunology and Neuroinflammation*, **2015**, 2, 138	3.4	18
241	Neurobiology of ammonia **2015**, 24-38		
240	Rats with minimal hepatic encephalopathy show reduced cGMP-dependent protein kinase activity in hypothalamus correlating with circadian rhythms alterations. *Chronobiology International*, **2015**, 32, 966-79	3.6	5
239	The effects of hyperammonemia in learning and brain metabolic activity. *Metabolic Brain Disease*, **2014**, 29, 113-20	3.9	3
238	Presence of diadenosine polyphosphates in microdialysis samples from rat cerebellum in vivo: effect of mild hyperammonemia on their receptors. *Purinergic Signalling*, **2014**, 10, 349-56	3.8	6
237	Pregnenolone sulfate restores the glutamate-nitric-oxide-cGMP pathway and extracellular GABA in cerebellum and learning and motor coordination in hyperammonemic rats. *ACS Chemical Neuroscience*, **2014**, 5, 100-5	5.7	37
236	Rats with minimal hepatic encephalopathy due to portacaval shunt show differential increase of translocator protein (18 kDa) binding in different brain areas, which is not affected by chronic MAP-kinase p38 inhibition. *Metabolic Brain Disease*, **2014**, 29, 955-63	3.9	10
235	Reduced white matter microstructural integrity correlates with cognitive deficits in minimal hepatic encephalopathy. *Gut*, **2014**, 63, 1028-30	19.2	12
234	Cerebral oedema is not responsible for motor or cognitive deficits in rats with hepatic encephalopathy. *Liver International*, **2014**, 34, 379-87	7.9	23
233	Blocking NMDA receptors delays death in rats with acute liver failure by dual protective mechanisms in kidney and brain. *NeuroMolecular Medicine*, **2014**, 16, 360-75	4.6	15
232	Non invasive blood flow measurement in cerebellum detects minimal hepatic encephalopathy earlier than psychometric tests. *World Journal of Gastroenterology*, **2014**, 20, 11815-25	5.6	28
231	Chronic hyperammonemia, glutamatergic neurotransmission and neurological alterations. *Metabolic Brain Disease*, **2013**, 28, 151-4	3.9	26
230	Serum nitrotyrosine and psychometric tests as indicators of impaired fitness to drive in cirrhotic patients with minimal hepatic encephalopathy. *Liver International*, **2013**, 33, 1478-89	7.9	15
229	Hepatic encephalopathy: effects of liver failure on brain function. *Nature Reviews Neuroscience*, **2013**, 14, 851-8	13.5	226
228	Impaired release of corticosterone from adrenals contributes to impairment of circadian rhythms of activity in hyperammonemic rats. *Archives of Biochemistry and Biophysics*, **2013**, 536, 164-70	4.1	9
227	Gender differential effects of developmental exposure to methyl-mercury, polychlorinated biphenyls 126 or 153, or its combinations on motor activity and coordination. *Toxicology*, **2013**, 311, 61-8	4.4	25
226	Perinatal exposure to purity-controlled polychlorinated biphenyl 52, 138, or 180 alters toxicogenomic profiles in peripheral blood of rats after 4 months. *Chemical Research in Toxicology*, **2013**, 26, 1159-67	4	5

225	Alterations in adipocytokines and cGMP homeostasis in morbid obesity patients reverse after bariatric surgery. *Obesity*, **2013**, 21, 229-37	8	17
224	Hyperammonemia alters the modulation by different neurosteroids of the glutamate-nitric oxide-cyclic GMP pathway through NMDA- GABAA - or sigma receptors in cerebellum in vivo. *Journal of Neurochemistry*, **2013**, 125, 133-43	6	14
223	Potentiation of the transient receptor potential vanilloid 1 channel contributes to pruritogenesis in a rat model of liver disease. *Journal of Biological Chemistry*, **2013**, 288, 9675-9685	5.4	28
222	Insight into the neuroproteomics effects of the food-contaminant non-dioxin like polychlorinated biphenyls. *Journal of Proteomics*, **2012**, 75, 2417-30	3.9	23
221	Patients with minimal hepatic encephalopathy show impaired mismatch negativity correlating with reduced performance in attention tests. *Hepatology*, **2012**, 55, 530-9	11.2	68
220	Exploratory investigation on nitro- and phospho-proteome cerebellum changes in hyperammonemia and hepatic encephalopathy rat models. *Metabolic Brain Disease*, **2012**, 27, 37-49	3.9	3
219	Contribution of hyperammonemia and inflammatory factors to cognitive impairment in minimal hepatic encephalopathy. *Metabolic Brain Disease*, **2012**, 27, 51-8	3.9	114
218	Progressive reduction of sleep time and quality in rats with hepatic encephalopathy caused by portacaval shunts. *Neuroscience*, **2012**, 201, 199-208	3.9	18
217	Sildenafil citrate improves perinatal outcome in fetuses from pre-eclamptic rats. *BJOG: an International Journal of Obstetrics and Gynaecology*, **2012**, 119, 1394-402	3.7	54
216	Differential effects of chronic hyperammonemia on modulation of the glutamate-nitric oxide-cGMP pathway by metabotropic glutamate receptor 5 and low and high affinity AMPA receptors in cerebellum in vivo. *Neurochemistry International*, **2012**, 61, 63-71	4.4	16
215	Focal cortical damage parallels cognitive impairment in minimal hepatic encephalopathy. *NeuroImage*, **2012**, 61, 1165-75	7.9	31
214	An inhibitor of neuronal exocytosis (DD04107) displays long-lasting in vivo activity against chronic inflammatory and neuropathic pain. *Journal of Pharmacology and Experimental Therapeutics*, **2012**, 341, 634-45	4.7	14
213	Brain region-selective mechanisms contribute to the progression of cerebral alterations in acute liver failure in rats. *Gastroenterology*, **2011**, 140, 638-45	13.3	50
212	3-nitro-tyrosine as a peripheral biomarker of minimal hepatic encephalopathy in patients with liver cirrhosis. *American Journal of Gastroenterology*, **2011**, 106, 1629-37	0.7	50
211	Differential long-term effects of developmental exposure to polychlorinated biphenyls 52, 138 or 180 on motor activity and neurotransmission. Gender dependence and mechanisms involved. *Neurochemistry International*, **2011**, 58, 69-77	4.4	38
210	Metabotropic glutamate receptor 5 modulates the nitric oxide-cGMP pathway in cerebellum in vivo through activation of AMPA receptors. *Neurochemistry International*, **2011**, 58, 599-604	4.4	19
209	Differential modulation of the glutamate-nitric oxide-cyclic GMP pathway by distinct neurosteroids in cerebellum in vivo. *Neuroscience*, **2011**, 190, 27-36	3.9	14
208	Haemodynamic effects of long-term administration of sildenafil in normotensive pregnant and non-pregnant rats. *BJOG: an International Journal of Obstetrics and Gynaecology*, **2011**, 118, 615-23	3.7	12

207	Ultrasound bioeffects in rats: quantification of cellular damage in the fetal liver after pulsed Doppler imaging. *Ultrasound in Obstetrics and Gynecology*, **2011**, 37, 643-8	5.8	26
206	cGMP modulates stem cells differentiation to neurons in brain in vivo pathological implications. *BMC Pharmacology*, **2011**, 11,		1
205	p38 MAP kinase is a therapeutic target for hepatic encephalopathy in rats with portacaval shunts. *Gut*, **2011**, 60, 1572-9	19.2	49
204	Cerebellum proteomics addressing the cognitive deficit of rats perinatally exposed to the food-relevant polychlorinated biphenyl 138. *Toxicological Sciences*, **2011**, 123, 170-9	4.4	12
203	Chronic hyperammonemia induces tonic activation of NMDA receptors in cerebellum. *Journal of Neurochemistry*, **2010**, 112, 1005-14	6	25
202	Hyperammonemia induces neuroinflammation that contributes to cognitive impairment in rats with hepatic encephalopathy. *Gastroenterology*, **2010**, 139, 675-84	13.3	224
201	Serum metabolic signature of minimal hepatic encephalopathy by (1)H-nuclear magnetic resonance. *Journal of Proteome Research*, **2010**, 9, 5180-7	5.6	46
200	Metabotropic glutamate receptor 5, but not 1, modulates NMDA receptor-mediated activation of neuronal nitric oxide synthase. *Neurochemistry International*, **2010**, 56, 535-45	4.4	11
199	cGMP modulates stem cells differentiation to neurons in brain in vivo. *Neuroscience*, **2010**, 165, 1275-83	3.9	29
198	Developmental exposure to polychlorinated biphenyls 52, 138 or 180 affects differentially learning or motor coordination in adult rats. Mechanisms involved. *Neuroscience*, **2010**, 167, 994-1003	3.9	75
197	Treatment with sildenafil prevents impairment of learning in rats born to pre-eclamptic mothers. *Neuroscience*, **2010**, 171, 506-12	3.9	20
196	Chronic hyperammonemia alters the circadian rhythms of corticosteroid hormone levels and of motor activity in rats. *Journal of Neuroscience Research*, **2010**, 88, 1605-14	4.4	16
195	Amyloid-β impairs, and ibuprofen restores, the cGMP pathway, synaptic expression of AMPA receptors and long-term potentiation in the hippocampus. *Journal of Alzheimerls Disease*, **2010**, 22, 795-809	4.3	12
194	Polychlorinated biphenyls PCB 52, PCB 180, and PCB 138 impair the glutamate-nitric oxide-cGMP pathway in cerebellar neurons in culture by different mechanisms. *Chemical Research in Toxicology*, **2010**, 23, 813-20	4	31
193	Cyclic GMP pathways in hepatic encephalopathy. Neurological and therapeutic implications. *Metabolic Brain Disease*, **2010**, 25, 39-48	3.9	32
192	Neuroinflammation contributes to hypokinesia in rats with hepatic encephalopathy: ibuprofen restores its motor activity. *Journal of Neuroscience Research*, **2009**, 87, 1369-74	4.4	55
191	Increasing the function of the glutamate-nitric oxide-cyclic guanosine monophosphate pathway increases the ability to learn a Y-maze task. *Journal of Neuroscience Research*, **2009**, 87, 2351-5	4.4	35
190	Glutamatergic and gabaergic neurotransmission and neuronal circuits in hepatic encephalopathy. *Metabolic Brain Disease*, **2009**, 24, 69-80	3.9	103

189	Polychlorinated biphenyls PCB 153 and PCB 126 impair the glutamate-nitric oxide-cGMP pathway in cerebellar neurons in culture by different mechanisms. *Neurotoxicity Research*, **2009**, 16, 97-105	4.3	15
188	Experimental models of hepatic encephalopathy: ISHEN guidelines. *Liver International*, **2009**, 29, 783-8	7.9	219
187	Repeated alcohol administration during adolescence causes changes in the mesolimbic dopaminergic and glutamatergic systems and promotes alcohol intake in the adult rat. *Journal of Neurochemistry*, **2009**, 108, 920-31	6	252
186	Role of NMDA receptors in acute liver failure and ammonia toxicity: therapeutical implications. *Neurochemistry International*, **2009**, 55, 113-8	4.4	48
185	Mechanisms of cognitive alterations in hyperammonemia and hepatic encephalopathy: therapeutical implications. *Neurochemistry International*, **2009**, 55, 106-12	4.4	49
184	Transport of AMPA receptors during long-term potentiation is impaired in rats with hepatic encephalopathy. *Neurochemistry International*, **2009**, 55, 514-20	4.4	5
183	Hyperammonemia increases GABAergic tone in the cerebellum but decreases it in the rat cortex. *Gastroenterology*, **2009**, 136, 1359-67, e1-2	13.3	88
182	IL-6 and IL-18 in blood may discriminate cirrhotic patients with and without minimal hepatic encephalopathy. *Journal of Clinical Gastroenterology*, **2009**, 43, 272-9	3	120
181	Effect of L-carnitine on postischemic inhibition of protein synthesis in the rat brain. *General Physiology and Biophysics*, **2009**, 28, 242-8	2.1	2
180	Chronic hyperammonemia reduces the activity of neuronal nitric oxide synthase in cerebellum by altering its localization and increasing its phosphorylation by calcium-calmodulin kinase II. *Journal of Neurochemistry*, **2008**, 106, 1440-9	6	36
179	Encapsulation of glutamine synthetase in mouse erythrocytes: a new procedure for ammonia detoxification. *Biochemistry and Cell Biology*, **2008**, 86, 469-76	3.6	24
178	Developmental exposure to polychlorinated biphenyls or methylmercury, but not to its combination, impairs the glutamate-nitric oxide-cyclic GMP pathway and learning in 3-month-old rats. *Neuroscience*, **2008**, 154, 1408-16	3.9	43
177	Expression and traffic of cellular prolyl oligopeptidase are regulated during cerebellar granule cell differentiation, maturation, and aging. *Neuroscience*, **2008**, 156, 580-5	3.9	34
176	Developmental exposure to polychlorinated biphenyls PCB153 or PCB126 impairs learning ability in young but not in adult rats. *European Journal of Neuroscience*, **2008**, 27, 177-82	3.5	50
175	Brain cholinergic impairment in liver failure. *Brain*, **2008**, 131, 2946-56	11.2	74
174	Acute liver failure-induced death of rats is delayed or prevented by blocking NMDA receptors in brain. *American Journal of Physiology - Renal Physiology*, **2008**, 295, G503-11	5.1	26
173	Activation of soluble guanylate cyclase by nitric oxide in lymphocytes correlates with minimal hepatic encephalopathy in cirrhotic patients. *BMC Pharmacology*, **2007**, 7, P18		
172	A single transient episode of hyperammonemia induces long-lasting alterations in protein kinase A. *American Journal of Physiology - Renal Physiology*, **2007**, 292, G305-14	5.1	5

171	Value of the critical flicker frequency in patients with minimal hepatic encephalopathy. *Hepatology*, **2007**, 45, 879-85	11.2	233
170	Inflammation and hepatic encephalopathy: ibuprofen restores learning ability in rats with portacaval shunts. *Hepatology*, **2007**, 46, 514-9	11.2	162
169	Acute ammonia neurotoxicity in vivo involves increase in cytoplasmic protein P53 without alterations in other markers of apoptosis. *Journal of Neuroscience Research*, **2007**, 85, 2491-9	4.4	22
168	Activation of soluble guanylate cyclase by nitric oxide is increased in lymphocytes from both rats chronically exposed to 2,5-hexanedione and workers chronically exposed to n-hexane. *Toxicology*, **2007**, 229, 73-8	4.4	6
167	Prenatal exposure to polybrominated diphenylether 99 enhances the function of the glutamate-nitric oxide-cGMP pathway in brain in vivo and in cultured neurons. *European Journal of Neuroscience*, **2007**, 25, 373-9	3.5	26
166	Motor activity is modulated via different neuronal circuits in rats with chronic liver failure than in normal rats. *European Journal of Neuroscience*, **2007**, 25, 2112-22	3.5	32
165	Chronic liver failure in rats impairs glutamatergic synaptic transmission and long-term potentiation in hippocampus and learning ability. *European Journal of Neuroscience*, **2007**, 25, 2103-11	3.5	61
164	Ebselen prevents chronic alcohol-induced rat hippocampal stress and functional impairment. *Alcoholism: Clinical and Experimental Research*, **2007**, 31, 486-92	3.7	31
163	Glutamate-induced activation of nitric oxide synthase is impaired in cerebral cortex in vivo in rats with chronic liver failure. *Journal of Neurochemistry*, **2007**, 102, 51-64	6	31
162	Hyperammonaemia alters the mechanisms by which metabotropic glutamate receptors in nucleus accumbens modulate motor function. *Journal of Neurochemistry*, **2007**, 103, 38-46	6	27
161	Magnetic resonance analysis of the effects of acute ammonia intoxication on rat brain. Role of NMDA receptors. *Journal of Neurochemistry*, **2007**, 103, 1334-43	6	38
160	Apoptotic markers in the mitochondria, cytosol, and nuclei of brain cells during ammonia toxicity. *Neurochemical Journal*, **2007**, 1, 78-85	0.5	3
159	Activation of soluble guanylate cyclase by nitric oxide in lymphocytes correlates with minimal hepatic encephalopathy in cirrhotic patients. *Journal of Molecular Medicine*, **2007**, 85, 237-45	5.5	27
158	NMDA receptors in hyperammonemia and hepatic encephalopathy. *Metabolic Brain Disease*, **2007**, 22, 321-35	3.9	52
157	The function of the glutamate-nitric oxide-cGMP pathway in brain in vivo and learning ability decrease in parallel in mature compared with young rats. *Learning and Memory*, **2007**, 14, 254-8	2.8	32
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